

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

APPLICATION NO.

UPTINC.015A

09/254,563

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT

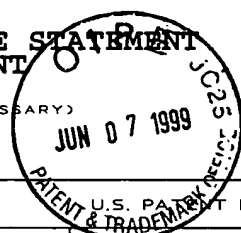
Victor Bronshtein

FILING DATE

March 5, 1999

GROUP

Unknown



| U.S. PATENT DOCUMENTS |  |                 |   |   |   |   |   |   |          |                    |       |          |                               |
|-----------------------|--|-----------------|---|---|---|---|---|---|----------|--------------------|-------|----------|-------------------------------|
| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME               | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
| 8                     |  | 4               | 2 | 1 | 5 | 1 | 5 | 3 | 07/29/80 | Kai, et. al.       |       |          |                               |
| 8                     |  | 4               | 3 | 9 | 6 | 5 | 6 | 3 | 08/02/83 | Gusmer             |       |          |                               |
| 8                     |  | 4               | 4 | 5 | 1 | 5 | 6 | 9 | 05/29/84 | Kobayashi, et. al. |       |          |                               |
|                       |  | 4               | 5 | 5 | 9 | 2 | 9 | 8 | 12/17/85 | Fahy               |       |          |                               |
| 8                     |  | 4               | 6 | 4 | 2 | 9 | 0 | 3 | 02/17/87 | Davies, et. al.    |       |          |                               |
| 8                     |  | 4               | 8 | 9 | 1 | 3 | 1 | 9 | 01/02/90 | Roser              |       |          |                               |
| 8                     |  | 5               | 0 | 2 | 6 | 5 | 6 | 6 | 06/25/91 | Roser              |       |          |                               |
| 8                     |  | 5               | 0 | 3 | 0 | 4 | 6 | 9 | 07/09/91 | Mergelsberg        |       |          |                               |
| 8                     |  | 5               | 0 | 3 | 9 | 5 | 4 | 0 | 08/13/91 | Ecanow, et. al.    |       |          |                               |
| 8                     |  | 5               | 0 | 7 | 9 | 0 | 1 | 8 | 01/07/92 | Ecanow, et. al.    |       |          |                               |

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|   |  | DOCUMENT NUMBER |   |   |   |   |   |   | DATE | COUNTRY | CLASS    | SUBCLASS | TRANSLATION |    |
|---|--|-----------------|---|---|---|---|---|---|------|---------|----------|----------|-------------|----|
|   |  |                 |   |   |   |   |   |   |      |         |          |          | YES         | NO |
| 8 |  | W               | O | 9 | 3 | 1 | 4 | 1 | 9    | 1       | 07/22/93 | PCT      |             |    |
| 8 |  | W               | O | 9 | 6 | 4 | 0 | 0 | 7    | 7       | 12/19/96 | PCT      |             |    |
| 8 |  | Su              |   | 9 | 5 | 9 | 7 | 8 | 6    |         | 09/23/82 | Russian  |             |    |
|   |  |                 |   |   |   |   |   |   |      |         |          |          |             |    |
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|   |  |                 |   |   |   |   |   |   |      |         |          |          |             |    |

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

|   |    |   |
|---|----|---|
| 8 | 1) | Chambers, Melvin A. et., al., "An Investigation of High-Vacuum Freeze Drying as a Means of Drug Preservation," Journal of the American Pharmaceutical Association, pp. 323-326.                               |
|   |    | <i>NO HEAR - IMPROPER CITE</i>  |
|   | 2) | Burke, Michael J.; "The Glassy State and Survival of Anhydrous Biological Systems," (1986), In A.C. Leopold, ed, "Membranes Metabolism and Dry Organisms." Cornell University Press, Ithaca, NY, pp. 358-364. |
| 8 | 3) | Harris, R.J.C.; "Biological Applications of Freezing and Drying," Academic Press Inc., NY (1964), pp. 87, 124, 125, 151, 163  |
|   |    |   |

EXAMINER

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|---------------------|-----------------|----------|------------------------|-------|----------|-------------------------------|
| 8                   | 5 0 8 4 1 0 1   | 01/28/92 | Engels, et. al.        |       |          |                               |
| 8                   | 5 1 4 9 6 5 3   | 09/22/92 | Roser                  |       |          |                               |
| 8                   | 5 1 9 0 9 8 7   | 03/02/93 | Parkinson              |       |          |                               |
| 8                   | 5 2 0 0 3 9 9   | 04/06/93 | Wettlaufer, et. al.    |       |          |                               |
| 8                   | 5 2 5 0 4 2 9   | 10/05/93 | Jolly, et. al.         |       |          |                               |
| 8                   | 5 2 5 2 6 2 0   | 10/12/93 | Elliott, et. al.       |       |          |                               |
| 8                   | 5 2 9 0 5 8 2   | 03/01/94 | Dressel, et. al.       |       |          |                               |
| 8                   | 5 3 5 4 5 5 8   | 10/11/94 | Britton, et. al.       |       |          |                               |
| 8                   | 5 4 2 5 9 5 1   | 06/20/95 | Goodrich, Jr., et. al. |       |          |                               |
| 8                   | 5 4 3 9 9 4 5   | 08/08/95 | Smies                  |       |          |                               |

## FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
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|                 |      |         |       |          | YES NO      |
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## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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| 4) | Rogers, L.A.; "The Preparation of Dried Cultures," Circular 171, U.S. Dept. of Agric., Bureau of Animal Industry, Washington, 1911, pp. 101-123.<br><i>no DATE - IMPROPER CITE</i> |
| 5) | Sisler, Harry H., et. al.; "A Systematic Approach", College Chemistry, Second Edition, The MacMillan Company, NY, pp. 224-225.<br><i>no DATE, IMPROPER CITE</i>                    |
| 6) | Schopet, E.F., et. al.; "Continuous Vacuum Drying of Whole Milk Foam IV Pilot Plant," Journal of Dairy Science, Volume 53, No. 1, January, 1970, pp. 56-62.                        |

EXAMINER

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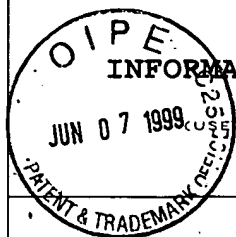
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|---------------------|-----------------|----------|------------------------|-------|----------|-------------------------------|
| 8                   | 5 5 6 5 3 1 8   | 10/15/96 | Walker, et. al.        |       |          |                               |
| 8                   | 5 5 9 7 4 1 6   | 01/28/97 | Fuisz, et. al.         |       |          |                               |
| 8                   | 5 6 2 1 0 9 4   | 04/15/97 | Roser                  |       |          |                               |
| 8                   | 5 6 4 8 2 0 6   | 07/15/97 | Goodrich, Jr., et. al. |       |          |                               |
| 8                   | 5 7 6 6 5 2 0   | 06/16/98 | Bronshtein             |       |          |                               |
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|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
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|  |                 |      |         |       |          |             |    |

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

|    |  |
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| 7) | Schoppet, E.F., et. al.; "Continuous Vacuum Foam-Drying of Whole Milk VI Iron Enrichment," Journal of Dairy Science, Vol. 57, No. 10, pp. 1256-1257. |
|    | <i>No year - improper cite</i>   |
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EXAMINER

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|   | APPLICANT<br>Victor Bronshtein  |                               |
|   | FILING DATE<br>March 5, 1999    | GROUP<br>1648                 |

| U.S. PATENT DOCUMENTS |  |                 |          |             |       |          |                                 |
|-----------------------|--|-----------------|----------|-------------|-------|----------|---------------------------------|
| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER | DATE     | NAME        | CLASS | SUBCLASS | FILING DATE<br>(IF APPROPRIATE) |
| 8                     |  | 5,145,770       | 09/08/92 | Tubo et al. |       |          |                                 |
|                       |  |                 |          |             |       |          |                                 |
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| EXAMINER<br>INITIAL      |  | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|                          |  |                 |          |         |       |          | YES         | NO |
| 8                        |  | 0 475 409 A2    | 03/18/92 | Europe  |       |          |             |    |
| 8                        |  | WO 94/13135     | 07/23/94 | PCT     |       |          |             |    |
|                          |  |                 |          |         |       |          |             |    |
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|                          |  |                 |          |         |       |          |             |    |
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| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)  |  |
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| 1. 8                | Brearley et al., "Optimal Concentration for Non-Penetrating Cryopreservatives of Human Blood", J. Pharm. Pharmacology, Vol. 39, 1987. |  |
| 2. 8                | Bourne, "Antigenicity of cryopreserved corneas", Vol. 93, No. 3, pp. 215-218.   |  |
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|--|--------------------|-----------------|---------|
| EXAMINER   | <i>[Signature]</i> | DATE CONSIDERED | 4/25/00 |
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